AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Currently Amended) An apparatus for evaluating a specific macromolecule crystal in a sample contained in ~~using~~ a sample container through which X-rays ~~X-ray~~, ultraviolet light and visible light are transmissible, ~~and evaluating a specific macromolecule crystal existing in the sample container is characterized by~~ comprising:

a sample detecting device ~~stage~~ for detecting the specific macromolecule crystal in the sample container;

an X-ray measuring device ~~stage~~ that is disposed so as to be spaced from the sample detecting device ~~stage~~ and carries out an X-ray diffraction measurement of the specific macromolecule crystal;

feeding means for feeding the sample container from the sample detecting device ~~stage~~ to the X-ray measuring ~~stage~~ device; and

control means for identifying ~~recognizing~~ the position of the specific macromolecule crystal on the basis of information ~~achieved~~ generated in the sample detecting ~~stage~~ device and controlling the feeding means on the basis of the position of the specific macromolecule crystal ~~information~~ to position the specific

macromolecule crystal on [[to]] a sample disposing portion of the X-ray measuring device ~~stage~~[[.]], wherein

the sample detecting device comprises specific macromolecule detecting means for irradiating ultraviolet light on the sample container and detecting a fluorescent image emitted from the sample in the sample container; and

the control means is configured to identify a specific macromolecule based on said fluorescent image detected by the specific macromolecule detecting means.

2. (Currently Amended) The apparatus ~~specific macromolecule crystal evaluating device~~ according to claim 1, wherein the sample detecting device ~~stage~~ comprises: ~~comprise:~~

~~specific macromolecule crystal detecting means for irradiating ultraviolet light to the sample container and detecting a fluorescent image emitted from the sample in the sample container; and~~

a crystal detecting means for detecting the outline of a crystal in the sample from a visible light image of the sample contained ~~existing~~ in the sample container, wherein the control means is configured to identify ~~judges as~~ [[a]] the specific macromolecule crystal based on said ~~the sample for which the~~ fluorescent image [[is]] detected by the specific macromolecule detecting means and based on said ~~the~~ outline of said crystal ~~showing the crystal is~~ detected by the crystal detecting means,

and said control means is configured to determine ~~recognizes~~ the position of the specific macromolecule crystal.

3. (Currently Amended) The apparatus ~~specific macromolecule crystal evaluating device~~ according to claim 1, wherein the X-ray measuring device ~~stage~~ comprises:

X-ray irradiating means for irradiating X-rays ~~X-ray~~ from the upper side or lower side to the specific macromolecule crystal in the sample container disposed on ~~in~~ the sample disposing portion;

X-ray detecting means ~~that is~~ disposed so as to face ~~confront~~ the X-ray irradiating means through the sample container, ~~and~~ said X-ray detecting means being configured to detect ~~detects~~ diffracted X-rays ~~X-ray~~ from the specific macromolecule crystal transmitted through the sample container;

a rotary arm for supporting the X-ray irradiating means and the X-ray detecting means; and

a rotationally driving mechanism for rotating the rotary arm with respect to a ~~the substantially horizontal~~ shaft center by any angle.

4. (Currently Amended) The apparatus ~~specific macromolecule crystal evaluating device~~ according to claim 1, wherein the feeding means comprises a

sample table on which a sample container is mounted, an XYZ table for mounting the sample table thereon and moving the sample table in X and Y directions orthogonal to each other along a ~~on the horizontal~~ plane and in a ~~the~~ height direction perpendicular to said plane, and a slider for feeding the XYZ table from the sample detecting device ~~stage~~ to the X-ray measuring device ~~stage~~.

5. (New) An apparatus for evaluating a specific macromolecule crystal in a sample contained in a sample container through which X-rays, ultraviolet light and visible light are transmissible, comprising:

a sample detecting device for detecting the specific macromolecule crystal in the sample container;

an X-ray measuring device that is disposed so as to be spaced from the sample detecting device and carries out an X-ray diffraction measurement of the specific macromolecule crystal;

feeding means for feeding the sample container from the sample detecting device to the X-ray measuring device; and

control means for identifying the position of the specific macromolecule crystal on the basis of information generated in the sample detecting device and controlling the feeding means on the basis of the position of the specific macromolecule crystal to position the specific macromolecule crystal on a sample disposing portion of the X-ray measuring device, wherein

the sample detecting device comprises specific macromolecule crystal detecting means for irradiating ultraviolet light on the sample container and detecting a fluorescent image emitted from the sample in the sample container and for irradiating visible light on the sample container and detecting the outline of a crystal in the sample from a visible light image of the sample contained in the sample container; and

the control means is configured to identify the specific macromolecule crystal and to determine the position of the specific macromolecule crystal based on said fluorescent image detected by the specific macromolecule crystal detecting means and based on said outline of said crystal detected by the specific macromolecule crystal detecting means.

6. (New) The apparatus according to claim 5, wherein the X-ray measuring device comprises:

X-ray irradiating means for irradiating X-rays from the upper side or lower side to the specific macromolecule crystal in the sample container disposed on the sample disposing portion;

X-ray detecting means disposed so as to face the X-ray irradiating means through the sample container, said X-ray detecting means being configured to detect diffracted X-rays from the specific macromolecule crystal transmitted through the sample container;

a rotary arm for supporting the X-ray irradiating means and the X-ray detecting means; and

a rotationally driving mechanism for rotating the rotary arm with respect to a shaft center by any angle.

7. (New) The apparatus according to claim 5, wherein the feeding means comprises a sample table on which a sample container is mounted, an XYZ table for mounting the sample table thereon and moving the sample table in X and Y directions orthogonal to each other along a plane and in a height direction perpendicular to said plane, and a slider for feeding the XYZ table from the sample detecting device to the X-ray measuring device.